Component	MPN	Manufacturer	PN	Source	Min. Volt.	Max. Volt.	Interface to MCU	Qty	Cost QTY1	Cost QTY1K	Comments	Link
Dev Board	ATSAMW25-XPRO	Microchip	ATSAMW25-XPRO	digikey	4.3V	5.5V		1	41.04	40	ESE516 MCU + SoC Wifi	
GPS Sensor	MIKROE-2670	MikroElektronika	1471-1837-ND	digikey	3.3V	5V	IO Pins	1	41.82	41	Need to get Prof.'s feedback on what the best way to get location (coordinates) of the user would be	
Vibrating Motor	316040004	Seeed Technology	1597-1245-ND	digikey	DC 2.5V	DC 3.5V	IO Pins	4	1.44	1.2	Need to do additional research to find out what the optimal strength of the motor should be. I am counting in 4, since I plan on using 2 motors in each of the 2 soles.	Here
Motor Driver	DRV8353RHRGZR	TI	595-DRV8353RHRGZR	mouser	9V	75V	IO Pins	2	6.11	3.07	Provides 350mA current output and can drive 3 motors, which should be more than enough for the vibrating motors. There is also an alternative version available ($5.79), which does not provide the 3 voltage shunt amplifiers this model provides.	Here
								Total	100.84	91.94		